

WHAT IS CLAIMED IS:

- 1 1. An ink bag for storing ink therein;  
2 a flexible bag body, which is deformable in accordance with  
3 consumption of the ink;  
4 an ink supply port, from which the ink stored therein is supplied; and  
5 a non-contact type memory IC, provided on the bag body.
- 1 2. The ink bag as set forth in claim 1, wherein the bag body includes a  
2 first part having a first flexibility and a second part having a second flexibility  
3 which is lower than the first flexibility.
- 1 3. The ink bag as set forth in claim 2, wherein the memory IC is provided  
2 in the second part of the bag body.
- 1 4. The ink bag as set forth in claim 3, the second part is an outer  
2 peripheral portion of the bag body.
- 1 5. The ink bag as set forth in claim 4, wherein the outer peripheral  
2 portion of the bag body is formed by heat-welding outer peripheral portions of  
3 flexible sheet members.
- 1 6. The ink bag as set forth in claim 2, wherein the memory IC is provided  
2 in the first part of the bag body.

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1 7. The ink bag as set forth in claim 6, wherein the first part includes at  
2 least a center portion of the bag body.

1 8. The ink bag as set forth in claim 1, wherein the memory IC stores  
2 data indicating an amount of ink remained therein.

1 9. The ink bag as set forth in claim 1, wherein the memory IC is placed  
2 in the vicinity of the ink supply port.

1 10. A recording apparatus, comprising:  
2 a flexible ink bag for storing ink consumed by the recording apparatus  
3 therein, on which a non-contact type memory IC is provided, the ink bag being  
4 deformable in accordance with the consumption of ink; and detachably  
5 provided in the recording apparatus; and  
6 a data communicator, which opposes to the memory IC to perform  
7 non-contact data communication therewith.

1 11. The recording apparatus as set forth in claim 10, wherein the ink bag  
2 is mounted such that the memory IC is directed downward.

1 12. The recording apparatus as set forth in claim 10, wherein the memory  
2 IC stores data indicating an amount of ink remained therein.

1 13. The recording apparatus as set forth in claim 10, further comprising:  
2 a cartridge casing, which houses the ink bag therein; and

3 a chamber section, which houses the cartridge casing therein.

1 14. The recording apparatus as set forth in claim 13, wherein the  
2 cartridge casing is formed with an aperture through which the data  
3 communication between the memory IC and the data communicator is  
4 conducted.

1 15. The recording apparatus as set forth in claim 13, wherein:  
2 the cartridge casing is formed with an outlet to which an ink supply  
3 port of the ink bag is secured; and  
4 the memory IC is placed in the vicinity of the ink supply port.

1 16. The recording apparatus as set forth in claim 10, wherein a consumed  
2 amount of ink is judged in accordance with information indicated by the  
3 memory IC.

1 17. An ink bag detachably provided in a printer, for storing ink consumed  
2 by the printer therein, comprising:  
3 a flexible bag body, which is deformable in accordance with the  
4 consumption of ink; and  
5 a non-contact type memory IC, provided on the flexible bag body so  
6 as to be substantially immovable with respect to the printer, regardless of the  
7 consumption of ink.

1 18. The ink bag as set forth in claim 17, wherein the memory IC is placed  
2 on an outer peripheral portion of the bag body.

1 19. The ink bag as set forth in claim 18, wherein the outer peripheral  
2 portion of the bag body is formed by heat-welding outer peripheral portions of  
3 flexible sheet members.

1 20. The ink bag as set forth in claim 17, wherein the memory IC is  
2 provided on an outer surface of the bag body which directs downward with  
3 respect to the printer.